



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

THE POWER FOUNDATION
185 COMMERCE CENTER
GREENVILLE SC 29616

Son Nguyen
Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 54614

Call Sign: WWQT

License File Number: BML-20180329ACL

Grant Date: **MAR 20 2019**

This license expires 3:00 a.m.
local time, December 01, 2019.

This license modifies license no.: BL-20150223ACI to change status to commercial.

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	7:45 AM	5:45 PM	Jul.	5:30 AM	7:45 PM
Feb.	7:15 AM	6:15 PM	Aug.	5:45 AM	7:15 PM
Mar.	6:45 AM	6:30 PM	Sep.	6:15 AM	6:30 PM
Apr.	6:00 AM	7:00 PM	Oct.	6:30 AM	6:00 PM
May	5:30 AM	7:30 PM	Nov.	7:00 AM	5:30 PM
Jun.	5:15 AM	7:45 PM	Dec.	7:30 AM	5:15 PM

Name of Licensee: THE POWER FOUNDATION

Station Location: TRYON, NC

Frequency (kHz): 1160

Station Class: B

Antenna Coordinates:

Day

Latitude: N 35 Deg 14 Min 17 Sec

Longitude: W 82 Deg 14 Min 34 Sec

Night

Latitude: N 35 Deg 14 Min 17 Sec

Longitude: W 82 Deg 14 Min 34 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 25.0 Night: 0.50

Antenna Input Power (kW): Day: 25.0 Night: 0.54

Antenna Mode: Day: ND Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 17.2 Night: 3.28

Resistance (ohms): Day: 84.5 Night: 50

Non-Directional Antenna: Day

Radiator Height: 73.2 meters; 101.9 deg

Theoretical Efficiency: 312.21 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1261852	

Night:

Tower No.	ASRN	Overall Height (m)
1	1261852	
2	1261853	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 212.9
 Standard RMS (mV/m/km): Night: 223.8
 Augmented RMS (mV/m/km):
 Q Factor: Night:

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	101.9
2	0.5300	35.000	145.0000	300.000	0	101.9

* Tower Reference Switch

0 = Spacing and orientation from reference tower
 1 = Spacing and orientation from previous tower

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	35	0.62

Antenna Monitor: POTOMAC INSTRUMENTS AM-19

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
120	2.66	22.7
300.5	2.25	24.8

Special operating conditions or restrictions:

- Ground system consists of 120 equally spaced, buried copper radials about the base of each tower, each 64.6 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus 120 interspersed radials 15.2 meters in length.

Special operating conditions or restrictions:

- 2 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

- 3 Location of monitor points:

Direction of 120-deg. true north: From the transmitter site proceed south 0.4 mile on SR 1129 to intersection of SR 1129 and SR 1122. Turn left onto SR 1122 and proceed 0.5 mile south to intersection of SR 1122 and NC Hwy 108. Turn left onto NC Hwy 108 and proceed 0.675 mile east to intersection of NC Hwy 108 and SR 1514. Turn right onto SR 1514 and proceed 0.95 mile south to monitoring point. The point is located on the south shoulder of the road over a concrete culvert in the east entrance of the True Gospel Wilderness Church parking lot. This point is also 20 feet southeast of a concrete right-of-way marker. This point is No. 15 at a distance of 1.65 mile from the center of the array. The field intensity measured at this point should not exceed 22.7 mV/m.

Direction of 330.5-deg. true north: From the transmitter site proceed south 0.4 mile on SR 1129 to intersection of SR 1129 and SR 1122. Turn right onto SR 1122 to intersection of SR 1122 (Howard Gap Road) and proceed north 0.3 mile to intersection of SR 1122 and SR 1128 (stop sign). Turn right and continue north on SR 1122 for 1.55 mile. The monitoring point is located on the north shoulder of the road near a concrete drain pipe. The guardrail on the south shoulder of the road has an orange marker painted on it for identification. This point is No. 12 at a distance of 1.4 mile from the center of the array. The field intensity measured at this point should not exceed 24.8 mV/m.

*** END OF AUTHORIZATION ***